

WEST Search History

DATE: Thursday, December 11, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L16	L14 and formula	39	L16
L15	L14 and composition	44	L15
L14	L11 with catalyst	68	L14
L13	L11 same catalyst	75	L13
L12	L11 and catalyst	156	L12
L11	L8 with metal oxide	333	L11
L10	L8 same metal oxide	436	L10
L9	L8 and metal oxide	1323	L9
L8	L7 with (In or Re)	4639	L8
	L6 with (Nb or ta or ti or al or zr or cr or mn or fe or ru or co or rh or ni or pt or b or as or le or na or k or rb or cs or fr or be or mg or ca or sr or ba or hf or pb or p or pm or eu or gd or dy or ho or er or tm or yb or lu or la or sc or au or ag or pd or ga or pr or re or ir or nd or y or sm or tb or w or ce or cu or zn)	11175	L7
L6	mo with v with (te or sb or sn or ge or bi)	11430	L6
	L4 same (Nb or ta or ti or al or zr or cr or mn or fe or ru or co or rh or ni or pt or b or as or le or na or k or rb or cs or fr or be or mg or ca or sr or ba or hf or pb or p or pm or eu or gd or dy or ho or er or tm or yb or lu or la or sc or au or ag or pd or ga or pr or re or ir or nd or y or sm or tb or w or ce or cu or zn)	14234	L5
L5			
L4	mo same v same (te or sb or sn or ge or bi)	14441	L4
L3	L2 and (In or Re)	39472	L3
	L1 and (Nb or ta or ti or al or zr or cr or mn or fe or ru or co or rh or ni or pt or b or as or le or na or k or rb or cs or fr or be or mg or ca or sr or ba or hf or pb or p or pm or eu or gd or dy or ho or er or tm or yb or lu or la or sc or au or ag or pd or ga or pr or re or ir or nd or y or sm or tb or w or ce or cu or zn)	45557	L2
L2			
L1	mo and v and (te or sb or sn or ge or bi)	45557	L1

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 39 returned.**☐ 1. Document ID: US 20030204111 A1

L16: Entry 1 of 39

File: PGPB

Oct 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030204111
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030204111 A1

TITLE: Ir and/or Sm promoted multi-metal oxide catalyst

PUBLICATION-DATE: October 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 562/547; 502/302

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 20030191336 A1

L16: Entry 2 of 39

File: PGPB

Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191336
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030191336 A1

TITLE: Zn and/or Ga promoted multi-metal oxide catalyst

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Nhu Le, Dominique Hung	Upper Darby	PA	US	

US-CL-CURRENT: 558/320; 502/302, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC	Draw Desc	Image
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☐ 3. Document ID: US 20030176734 A1

L16: Entry 3 of 39

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030176734
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030176734 A1

TITLE: Halogen promoted multi-metal oxide catalyst

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 562/547; 502/303, 502/321

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 4. Document ID: US 20030135064 A1

L16: Entry 4 of 39

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030135064
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030135064 A1

TITLE: Treatment of mixed metal oxide catalyst

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Le, Dominique Hung Nhu	Upper Darby	PA	US	

US-CL-CURRENT: 558/359; 502/215

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 5. Document ID: US 20030109749 A1

L16: Entry 5 of 39

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030109749
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030109749 A1

TITLE: Processes for the preparation of olefins, unsaturated carboxylic acids and unsaturated nitriles from alkanes

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	
Zolotorofe, Donald Lee	Ivyland	PA	US	

US-CL-CURRENT: 562/546; 562/547, 585/654, 585/660

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 6. Document ID: US 20030109748 A1

L16: Entry 6 of 39

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030109748

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030109748 A1

TITLE: Catalyst useful for oxidation of alkanes

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Han, Scott	Lawrenceville	NJ	US	
Le, Dominique Hung Nhu	Upper Darby	PA	US	
McNeal, Nneka Namono	Ambler	PA	US	

US-CL-CURRENT: 562/535; 502/302, 568/470

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 7. Document ID: US 20030096880 A1

L16: Entry 7 of 39

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096880

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096880 A1

TITLE: Combustion deposited metal-metal oxide catalysts and process for producing synthesis gas

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wang, Daxiang	Ponca City	OK	US	
Jin, Yaming	Ponca City	OK	US	
Wright, Harold A.	Ponca City	OK	US	
Espinoza, Rafael L.	Ponca City	OK	US	

US-CL-CURRENT: 518/714; 423/651, 502/162, 502/304, 502/325, 518/715

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 20030094381 A1

L16: Entry 8 of 39

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030094381
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030094381 A1

TITLE: Electroactive catalysis

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bors, Daniel Arthur	Maple Glen	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Maroldo, Stephen Gerard	Ambler	PA	US	

US-CL-CURRENT: 205/433; 205/440, 558/320, 562/534, 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 20030018208 A1

L16: Entry 9 of 39

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030018208
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030018208 A1

TITLE: Halogen promoted multi-metal oxide catalyst

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Hefener, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 558/338; 502/305, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 20030013904 A1

L16: Entry 10 of 39

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030013904

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030013904 A1

TITLE: Mixed metal oxide catalyst

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Song, Ruozhi	Wilmington	DE	US	
Vickery, Elsie Mae	Jenkintown	PA	US	

US-CL-CURRENT: 558/321; 502/333

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KAMC	Draw Desc	Image
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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 20 of 39 returned.**☐ 11. Document ID: US 20020188150 A1

L16: Entry 11 of 39

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188150
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020188150 A1

TITLE: Mixed-metal oxide catalysts and processes for preparing the same

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gaffney, Anne Mae	West Chester	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 558/323; 502/255

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWAC	Draw Desc	Image
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☐ 12. Document ID: US 20020188149 A1

L16: Entry 12 of 39

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188149
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020188149 A1

TITLE: Recalcined catalyst

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 558/321; 502/246, 558/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWAC	Draw Desc	Image
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☐ 13. Document ID: US 20020183548 A1

L16: Entry 13 of 39

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183548
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020183548 A1

TITLE: High temperature mixing

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Pak, Alex	North Wales	PA	US	

US-CL-CURRENT: 562/546; 502/321, 558/320, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 20020183547 A1

L16: Entry 14 of 39

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183547
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020183547 A1

TITLE: NOx treated mixed metal oxide catalyst

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gaffney, Anne Mae	West Chester	PA	US	
Haffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 562/546; 502/215, 502/304, 502/312, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 20020183199 A1

L16: Entry 15 of 39

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183199
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020183199 A1

TITLE: Catalyst

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	

US-CL-CURRENT: 502/215

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 16. Document ID: US 20020183198 A1

L16: Entry 16 of 39

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183198

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183198 A1

TITLE: Annealed and promoted catalyst

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gaffney, Anne Mae	West Chester	PA	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 502/215; 502/312, 554/132, 558/320, 558/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: US 20020161256 A1

L16: Entry 17 of 39

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020161256

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020161256 A1

TITLE: Single crystalline phase catalyst

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Bors, Daniel A.	Maple Glen	PA	US	
Cavalcanti, Fernando Antonio Pessoa	Lafayette Hill	PA	US	
Clark, Michael Bruce JR.	Coopersburg	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	

US-CL-CURRENT: 558/320; 502/353

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: US 20020143208 A1

L16: Entry 18 of 39

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143208
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020143208 A1

TITLE: Promoted multi-metal oxide catalyst

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 562/542; 502/215, 502/304, 502/312

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 19. Document ID: US 20020072629 A1

L16: Entry 19 of 39

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020072629
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020072629 A1

TITLE: Zn and/or Ga promoted multi-metal oxide catalyst

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Le, Dominique Hung Nhu	Upper Darby	PA	US	

US-CL-CURRENT: 562/546; 502/254, 502/255, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 20. Document ID: US 20020065431 A1

L16: Entry 20 of 39

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065431
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020065431 A1

TITLE: Promoted multi-metal oxide catalyst

PUBLICATION-DATE: May 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	
Nhu Le, Dominique Hung	Upper Darby	PA	US	
Vickery, Elsie Mae	Jenkintown	PA	US	

US-CL-CURRENT: 562/546; 502/254, 502/255, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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Search Results - Record(s) 21 through 30 of 39 returned.☐ 21. Document ID: US 20020062042 A1

L16: Entry 21 of 39

File: PGPB

May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020062042
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020062042 A1

TITLE: PROMOTED MULTI-METAL OXIDE CATALYST

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 562/546; 502/254, 502/255, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 22. Document ID: US 20020062038 A1

L16: Entry 22 of 39

File: PGPB

May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020062038
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020062038 A1

TITLE: Ir and/or Sm promoted multi-metal oxide catalyst

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 558/319; 502/302, 502/304, 502/306, 502/308, 502/309, 502/310, 502/312, 562/542

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 23. Document ID: US 20020058835 A1

L16: Entry 23 of 39

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058835

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020058835 A1

TITLE: Halogen promoted multi-metal oxide catalyst

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chaturvedi, Sanjay	Horsham	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	

US-CL-CURRENT: 562/546; 502/254, 502/255, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 24. Document ID: US 6656873 B2

L16: Entry 24 of 39

File: USPT

Dec 2, 2003

US-PAT-NO: 6656873

DOCUMENT-IDENTIFIER: US 6656873 B2

TITLE: Mixed metal oxide catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 25. Document ID: US 6645905 B2

L16: Entry 25 of 39

File: USPT

Nov 11, 2003

US-PAT-NO: 6645905

DOCUMENT-IDENTIFIER: US 6645905 B2

TITLE: Annealed and promoted catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 26. Document ID: US 6642173 B2

L16: Entry 26 of 39

File: USPT

Nov 4, 2003

US-PAT-NO: 6642173

DOCUMENT-IDENTIFIER: US 6642173 B2

TITLE: Catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 27. Document ID: US 6518476 B1

L16: Entry 27 of 39

File: USPT

Feb 11, 2003

US-PAT-NO: 6518476

DOCUMENT-IDENTIFIER: US 6518476 B1

TITLE: Methods for manufacturing olefins from lower alkanes by oxidative dehydrogenation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 28. Document ID: US 6518216 B1

L16: Entry 28 of 39

File: USPT

Feb 11, 2003

US-PAT-NO: 6518216

DOCUMENT-IDENTIFIER: US 6518216 B1

TITLE: Catalyst useful for oxidation of alkanes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 29. Document ID: US 6461539 B1

L16: Entry 29 of 39

File: USPT

Oct 8, 2002

US-PAT-NO: 6461539

DOCUMENT-IDENTIFIER: US 6461539 B1

TITLE: Metal carbide catalysts and process for producing synthesis gas

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 30. Document ID: US 6392048 B1

L16: Entry 30 of 39

File: USPT

May 21, 2002

US-PAT-NO: 6392048

DOCUMENT-IDENTIFIER: US 6392048 B1

TITLE: Process for preparing carbocyclic or heterocyclic nitriles by vapor phase ammoxidation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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